

Docket No. AUS990938US1

CLAIMS:

5 What is claimed is:

1. A logically partitioned data processing system, comprising:

a plurality of logical partitions;

10 a plurality of operating systems, each assigned to a
separate one of the plurality of logical partitions;

a plurality of assignable resources, wherein each of the plurality of assignable resources is assigned to one of the plurality of logical partitions;

15 a hypervisor, wherein the hypervisor emulates shared
resources and provides a virtual copy of the shared
resources to each of the plurality of logical partitions.

2. The logically partitioned data processing system as
20 recited in claim 1, wherein the shared resources comprise
an operator panel.

3. The logically partitioned data processing system as recited in claim 1, wherein the shared resources comprise a system console.

4. The logically partitioned data processing system as recited in claim 1, wherein the hypervisor receives a system message from one of the plurality of operating system images, appends an operating system identity to the message to produce a new message, and sends the new

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claim 1, wherein inst
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claim 5, wherein the
memory.
ically partitioned o
claim 5, wherein the
read-only memory.
ically partitioned o
claim 5, wherein the
programmable read-only
ically partitioned o
claim 5, wherein the
erasable programmat
ically partitioned o
claim 5, wherein the
random access memor~~

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11. A method of providing separate copies of shared resources to each of multiple partitions within a data processing system, the method comprising:

receiving, at a hypervisor, a message from a one of a plurality of operating system images, executing within

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the data processing system, intended for a shared resource;

determining an identity of the one of the plurality of operating system images;

5 encoding the message and the identity into a new message; and

transmitting the new message to an external data processing system for presentation to a user.

10 12. The method as recited in claim 11, wherein the shared resource is an operator panel.

13. The method as recited in claim 11, wherein the shared resource is a system console.

15 14. The method as recited in claim 11, further comprising:

receiving external data from the external data processing system;

20 decoding the external data to determine an input, an identity of the shared resource, and an intended one of the plurality of operating system images; and

transmitting the input to the intended one of the plurality of operating system images with an indication
25 the identity of the shared resource from which the input corresponds.

15. A computer program product for providing separate copies of shared resources to each of multiple partitions
30 within a data processing system, the computer program product comprising:

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seventh instructions for transmitting the input to the intended one of the plurality of operating system images with an indication the identity of the shared resource from which the input corresponds.



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of multiple partiti
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one of a plurality of
g within the data pro
shared resource;
as for determining an
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s for encoding the mes
new message; and
as for transmitting th
rocessing system for p
as recited in claim 1
is an operator panel.
as recited in claim 1
is a system console.
as recited in claim 1
s for receiving extern
rocessing system;
s for decoding the ext
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second means for determining an identity of the one of the plurality of operating system images;

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fourth means for transmitting the new message to an external data processing system for presentation to a user.

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20. The system as recited in claim 19, wherein the shared resource is an operator panel.

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21. The system as recited in claim 19, wherein the shared resource is a system console.

22. The system as recited in claim 19, further comprising:

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fifth means for receiving external data from the external data processing system;

sixth means for decoding the external data to determine an input, an identity of the shared resource, and an intended one of the plurality of operating system images; and

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seventh means for transmitting the input to the intended one of the plurality of operating system images with an

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